

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings, of claims in the application:

Listing of Claims:

1-8. (Cancelled)

9. (Currently Amended) A system, comprising:

~~at least one~~ a personal computer, said personal computer configured to operate with ~~at least one other~~ another computer connected to a network;

said personal computer including ~~at least one~~ a microchip having ~~at least one~~ a microprocessor with ~~at least one~~ a control unit and ~~at least~~ two processing units, said control unit including means for ~~at least one~~ configured to allow a user of said personal computer to control said ~~at least~~ two processing units, and said microchip including ~~at least one~~ a power management component;

said personal computer including ~~at least one~~ an internal firewall, said internal firewall configured to allow and/or deny access to portions of said microchip both to ~~at least one~~ said user of said personal computer and to ~~at least one~~ a user of said microchip from said network during a shared use of said microchip; and said internal firewall being configured to deny access to portions of said microchip from said network.

10. (Currently Amended) The system of claim 9, wherein said personal computer includes ~~at least one~~ a camera component.

11. (Cancelled)

12. (Currently Amended) The system of claim 9, wherein said personal computer includes ~~at least one~~ a videocam component.

13. (Currently Amended) The system of claim 9, wherein said personal computer includes ~~at least one~~ a radio component.

14. (Currently Amended) The system of claim 9, wherein said personal computer includes ~~at least one~~ a television component.

15. (Previously Presented) The system of claim 9, wherein said personal computer includes Flash memory.

16. (Currently Amended) The system of claim 9, wherein said personal computer includes ~~at least one~~ a hard drive.

17. (Currently Amended) The system of claim 9, wherein said personal computer includes ~~at least one~~ a digital signal processor.

18. (Currently Amended) The system of claim 9, wherein said network includes [a] the World Wide Web which is utilized to provide shared computer processing resources.

19. (Cancelled)

20. (Currently Amended) The system of claim 9, wherein ~~said personal computer includes~~ ~~at least one~~ there is a direct optical fiber network connection to said personal computer.

21. (Cancelled)

22. (Currently Amended) The system of claim 9, wherein ~~said personal computer includes~~ ~~at least one~~ there is a direct wireless connection from said personal computer to said other computer connected to said network.

23. (Cancelled)

24. (Cancelled)

25. (Previously Presented) The system of claim 9, wherein said personal computer is equipment of an automobile or other transportation vehicle or other conveyance.

26. (Currently Amended) The system of claim 9, wherein said microchip includes:

~~at least one~~ a digital signal processor; or

~~at least one~~ a network communications component; or

both.

27. (Currently Amended) The system of claim 9, ~~further comprising a~~ wherein said shared use processing operation, which includes:

parallel processing; or

multi-processing; or

multi-tasking; or

any combination thereof.

28. (Cancelled)

29. (Cancelled)

30. (Currently Amended) The system of claim 9, wherein said personal computer is configured so that ~~at least one~~ said user of said personal computer retains preemptive control of all components of said personal computer.

31. (Currently Amended) The system of claim 9, wherein said microchip includes ~~at least~~:
four processing units; or
eight processing units; or
16 processing units; or
32 processing units; or
64 processing units; or
128 processing units; or
256 processing units; or
512 processing units; or
1024 processing units.
32. (Previously Presented) The system of claim 9, wherein said personal computer includes random access memory (RAM), said RAM being located on said microchip.
33. (Currently Amended) The system of claim 9, wherein said microchip includes:
~~at least one~~ a graphics component; or
~~at least one~~ an audio component; or
~~at least one~~ a video processing component; or
~~at least one~~ a flash BIOS; or
any combination thereof.
34. (Currently Amended) The system of claim [11] 9, wherein said personal computer is configured to operate wirelessly with ~~other~~ one or more said other computer ~~personal computers~~ in a client/server or a peer-to-peer network architecture.
35. (Currently Amended) The system of claim 9, wherein said ~~at least one~~ microprocessor of said personal computer is controlled by ~~at least one user of said~~ ~~at least one~~ said user of said personal computer through said user's operation of ~~at least one~~ a wireless controller.

36. (Currently Amended) The system of claim 9, wherein said microchip has ~~at least one~~ an internal firewall configured to allow and/or deny access to portions of said microchip both to said user of said personal computer and to users from said network.

37. (Currently Amended) The system of claim 9, wherein:

said internal firewall is configured to deny access to ~~at least said microchip microprocessor control unit of said personal computer by at least one~~ said other computer during [a] said shared ~~operation use~~ involving said personal computer and said ~~at least one~~ other computer of said network; and

said internal firewall is further configured to allow access to ~~at least one~~ said microchip microprocessor processing unit of said ~~at least one~~ personal computer by said ~~at least one of said other computers~~ other computer of said network during said shared use operation.

38. (Currently Amended) The system of claim 37, wherein said internal firewall is configured to deny access to ~~at least~~ said microchip microprocessor control unit of said personal computer by ~~said other computers of said network during a shared operation~~ said shared use involving said personal computer and ~~at least one of said other computers of said network~~.

39. (Currently Amended) The system of claim 37, wherein said internal firewall is configured to allow access to ~~at least one~~ said microchip microprocessor processing unit of said personal computer by ~~said other computers of said network during said shared use~~ operation.

40. (Currently Amended) The system of claim 39, wherein said internal firewall is configured to deny access to ~~at least one~~ said microchip microprocessor processing unit of said personal computer by ~~at least one~~ said user of said personal computer during said shared use operation.

41. (Previously Presented) The system of claim 38, wherein said internal firewall is a hardware firewall, a software firewall, a firmware firewall, or another component firewall, or any combination thereof.

42. (Currently Amended) A system, comprising:

~~at least one~~ a personal computer, said personal computer configured to be directly coupled to another personal computer and/or a server computer by ~~the~~ a network;

said personal computer including ~~at least one~~ a microchip having ~~at least one~~ a microprocessor with ~~at least one~~ a control unit and ~~at least~~ two processing units, said control unit configured to allow a ~~including means for at least one~~ user of said personal computer to control the ~~at least~~ two processing units;

said personal computer including ~~at least one~~ an internal firewall configured to allow and/or deny access to portions of said microchip both to ~~at least one~~ said user of said personal computer and to ~~at least one~~ a user of said microchip from said network during a shared use of said microchip; wherein said internal firewall is a hardware firewall; and

said internal firewall being configured to deny access to portions of said microchip from said network.

43-52. (Cancelled)

53. (Currently Amended) The system of claim 42, wherein there is a ~~said personal computer includes at least one~~ direct optical fiber network connection to said personal computer.

54. (Cancelled)

55. (Currently Amended) The system of claim 42, wherein ~~said personal computer includes~~ there is a ~~at least one~~ wireless connection from said personal computer to said network.

56. (Previously Presented) The system of claim 42, wherein said personal computer is equipment of an automobile or other transportation vehicle or other conveyance.

57. (Currently Amended) The system of claim 42, wherein said microchip includes:

~~at least one~~ a digital signal processor; or

~~at least one~~ a network communications component; or

both.

58-60. (Cancelled) .

61. (Currently Amended) The system of claim 42, wherein said personal computer is configured so that ~~at least one~~ said user of said personal computer retains preemptive control of all components of said personal computer.

62. (Currently Amended) The system of claim 42, wherein said microchip includes at least:

four processing units; or

eight processing units; or

16 processing units; or

32 processing units; or

64 processing units; or

128 processing units; or

256 processing units; or

512 processing units; or

1024 processing units.

63. (Previously Presented) The system of claim 42, wherein said personal computer includes random access memory (RAM), said RAM being located on said microchip.

64. (Currently Amended) The system of claim 42, wherein said microchip includes:

~~at least one~~ a graphics component; or

~~at least one~~ an audio component; or

~~at least one~~ a video processing component; or

~~at least one~~ a flash BIOS component; or

any combination thereof.

65. (Cancelled)

66. (Currently Amended) The system of claim 42, wherein said ~~at least one~~ microprocessor of said personal computer is controlled by ~~at least one~~ said user of said ~~at least one~~ personal computer through said user's operation of ~~at least one~~ a wireless controller.

67. (Currently Amended) The system of claim 42, wherein said microchip has ~~at least one~~ an internal firewall configured to allow and deny access to portions of said microchip both to said user of said personal computer and to users from said network.

68. (Currently Amended) The system of claim 42, wherein:

said internal firewall is further configured to deny access to ~~at least~~ said microchip microprocessor control unit of said personal computer by ~~at least one other~~ another computer during a said shared use ~~operation~~ involving said personal computer and said ~~at least one other computers~~ computer of said network; and

said internal firewall is further configured to allow access to ~~at least one~~ said microchip microprocessor processing unit of said personal computer by said ~~at least one of said other computers~~ other computer of said ~~personal network system~~ during said shared use ~~operation~~.

69. (Currently Amended) The system of claim 68, wherein said internal firewall is configured to deny access to ~~at least~~ said microchip microprocessor control unit of said personal computer by ~~said other computers of said personal network system~~ during [a] said shared use ~~operation~~ involving said personal computer and ~~at least one of said other computers of said personal network system~~.

70. (Currently Amended) The system of claim 68, wherein said internal firewall is configured to allow access to ~~at least one~~ said microchip microprocessor processing unit of said personal computer by ~~said other computers of said personal network system~~ during said shared use operation.

71. (Currently Amended) The system of claim 70, wherein said internal firewall is configured to deny access to ~~at least one~~ said microchip microprocessor processing unit of said personal computer by ~~at least one~~ said user of said personal computer during said shared use operation.

72. (Previously Presented) The system of claim 71, wherein said firewall includes hardware or software or firmware or any combination thereof.

73. (Currently Amended) The system of claim 42, wherein ~~said personal computer~~ includes ~~at least one~~ a peer to peer wireless network connection ~~configured to couple~~ couple said personal computer to ~~at least one other~~ another personal computer via the wireless network connection.

74. (Currently Amended) A system, comprising:
at least one server computer configured to operate with ~~at least one other~~ another computer connected by a network;

said server computer including ~~at least one~~ a microchip having ~~at least one~~ a microprocessor with ~~at least one~~ a control unit and at least two or four or eight or 16 or 32 or 64 or 128 or 256 or 512 or 1024 processing units, said control unit configured to allow a including means for ~~at least one~~ user of [a] said server computer to control said processing units, said microchip including ~~at least one~~ a power management component;

and said server computer including ~~at least one~~ an internal firewall, said internal firewall configured to allow and/or deny access to portions of said microchip both to a user of said server

computer and to a user of said microchip from said network during a shared use of said microchip; and said internal firewall being configured to deny access to portions of said microchip from said network.

75. (Previously Presented) The system of Claim 9, wherein the internal firewall encloses only a portion of the resources of said personal computer.

76. (Previously Presented) The system of Claim 42, wherein the internal firewall encloses only a portion of the resources of said personal computer.

77. (Currently Amended) The system of claim 9, wherein said personal computer includes ~~at least one~~ a telephone component.

78. (Currently Amended) The system of claim 9, wherein.
~~at least one~~ server computer is connected to ~~at least one~~ the Internet;
~~at least~~ two personal computers are connected to the server computer through said ~~at least one~~ network;

wherein said server computer is configured to function during a shared use ~~in a shared processing operation~~ involving said ~~at least~~ two personal computers;

wherein said personal computer is configured to operate with another personal computer ~~other computers~~ connected to said network utilizing ~~at least one~~ a peer to peer wireless network connection configured to directly couple said personal computer to ~~at least one of~~ said other personal ~~computers~~ computer via the wireless network connection without connecting to said server computer.

79. (Currently Amended) The system of claim 37, wherein said firewall is configured to protect network use from unauthorized surveillance of ~~at least one~~ said microchip microprocessor processing unit of said ~~at least one~~ personal computer by ~~at least one~~ said user of said personal computer during said shared use ~~operation~~.

80. (Currently Amended) The system of claim 37, wherein said firewall is configured to protect network use from intervention in ~~at least one~~ said microchip microprocessor processing unit of said ~~at least one~~ personal computer by ~~at least one~~ said user of said personal computer during said shared use operation.

81. (Currently Amended) The system of claim 68, wherein said internal firewall is configured to protect network use from unauthorized surveillance of ~~at least one~~ said microchip microprocessor processing unit of said ~~at least one~~ personal computer by ~~at least one~~ said user of said personal computer during said shared use operation.

82. (Currently Amended) The system of claim 68, wherein said internal firewall is configured to protect network use from intervention in ~~at least one~~ said microchip microprocessor processing unit of said ~~at least one~~ personal computer by ~~at least one~~ said user of said personal computer during said shared use operation.

83. (Previously Presented) The system of claim 9, wherein said user of said personal computer is an owner of said personal computer.

84. (Previously Presented) The system of claim 42, wherein said user of said personal computer is an owner of said personal computer.

85. (Previously Presented) The system of claim 74, wherein said user of said personal computer is an owner of said personal computer.

86. (Previously Presented) The system of claim 9, wherein said network comprises the Internet and/or an intranet.

87. (Previously Presented) The system of claim 42, wherein said network comprises the Internet and/or an intranet.

88. (Previously Presented) The system of claim 74, wherein said network comprises the Internet and/or an intranet.

89. (Currently Amended) The system of claim 74, wherein said microchip has an ~~at least one~~ internal firewall configured to allow and deny access to portions of said microchip both to said user of said server computer and to users from said network, and said firewall is a hardware firewall.

90. (Currently Amended) The system of claim 89, wherein:

said internal firewall is further configured to deny access to ~~at least~~ said microchip microprocessor control unit of said server computer by ~~at least one other~~ said other computer during a shared use ~~a shared operation~~ involving said server computer and said ~~at least one other~~ computer of said network; and

said internal firewall is further configured to allow access to ~~at least one~~ said microchip microprocessor processing unit of said server computer by ~~at least one other~~ said other computer of said network during said shared use operation.

91. (Currently Amended) The system of claim 90, wherein said internal firewall is configured to deny access to ~~at least~~ said microchip microprocessor control unit of said server computer by ~~said other computers of said personal network system~~ during said shared use ~~a shared operation~~ involving said server computer and ~~at least one of said other computers of said network~~.

92. (Currently Amended) The system of claim 91, wherein said internal firewall is configured to allow access to ~~at least one~~ said microchip microprocessor processing unit of said server computer by ~~said other computers of said personal network system~~ during said shared use operation.

93. (Currently Amended) The system of claim 92, wherein said internal firewall is configured to deny access to ~~at least one~~ said microchip microprocessor processing unit of said server computer by ~~at least one~~ said user of said server computer during said shared use operation.

94. (Currently Amended) The system of claim 92, wherein said internal firewall is configured to protect network use from unauthorized surveillance of ~~at least one~~ said microchip microprocessor processing unit of said ~~at least one~~ server computer by ~~at least one~~ said user of said server computer during said shared use operation.

95. (Currently Amended) The system of claim 92, wherein said internal firewall is configured to protect network use from intervention in ~~at least one~~ said microchip microprocessor processing unit of said ~~at least one~~ server computer by ~~at least one~~ said user of said server computer during said shared use operation.

96. (Previously Presented) The system of claim 74, wherein said firewall includes hardware or software or firmware or any combination thereof.

97. (Currently Amended) The system of claim 74, wherein said server computer is configured so that ~~at least one~~ said user of said server computer retains preemptive control of all components of said ~~personal~~ server computer, thereby preempting server users from said network.

98. (Previously Presented) The system of claim 9, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

99. (Previously Presented) The system of claim 9, wherein said shared use includes unauthorized shared use, including intrusion by hackers from outside said personal computer.

100. (Previously Presented) The system of claim 42, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

101. (Previously Presented) The system of claim 42, wherein said shared use includes unauthorized shared use, including intrusion by hackers from outside said personal computer.

102. (Previously Presented) The system of claim 74, wherein said internal firewall is configured to permanently deny access to portions of said microchip from said network.

103. (Previously Presented) The system of claim 74, wherein said shared use includes unauthorized shared use, including intrusion by hackers from outside said personal computer.